

BenQ DC T850 Digital Camera
User Manual

Welcome

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Taking care of your camera

- The camera operating temperature is between 0 and 40 degrees Celsius. It is normal for the operating time to be shortened when the temperature is low.
- Do not use or store your camera in the environments listed below:
 - Direct sunlight
 - High and dusty places
 - Next to an air conditioner, electric heater or other heat sources
 - In a closed car that is in direct sunlight
 - Unstable locations
- If your camera becomes wet, wipe it with a dry cloth as soon as possible.
- Salt or seawater may cause severe camera damage.
- Do not use solvents, such as alcohol, to clean your camera.
- If the lens is dirty, use a lens brush or soft cloth to clean the lens. Do not touch the lens with your fingers.
- To prevent electric shock, do not attempt to disassemble or repair your camera by yourself.
- Water may cause a fire or electric shock. Therefore, store your camera in a dry place.
- Do not use your camera outdoors when it is raining or snowing.
- Do not use your camera in or near water.
- If a foreign substance or water gets in your camera, please turn the power off immediately and disconnect the batteries and the power adapter. Remove the foreign substance or water, and send it to the maintenance center.
- Transfer the data to the computer as soon as possible to avoid losing your images and/or video clips.

Disposal of Waste Electrical and Electronic Equipment by users in private households in the European Union.



This symbol on the product or on the packaging indicates that this can not be disposed of as household waste. You must dispose of your waste equipment by handing it over to the applicable take-back scheme for the recycling of electrical and electronic equipment. For more information about recycling of this equipment, please contact your city office, the shop where you purchased the equipment or your household waste disposal service. The recycling of materials will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and environment.

CE Regulatory Notice

Hereby, BenQ Corp. declares under our responsibility that the product is in conformity with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating, Electromagnetic Compatibility Directives (89/336/EEC, 92/31/EEC) and Low Voltage Directive (73/23/EEC).

A "Declaration of Conformity" in accordance with the above Directives has been made and is available from BenQ Corp. upon request.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

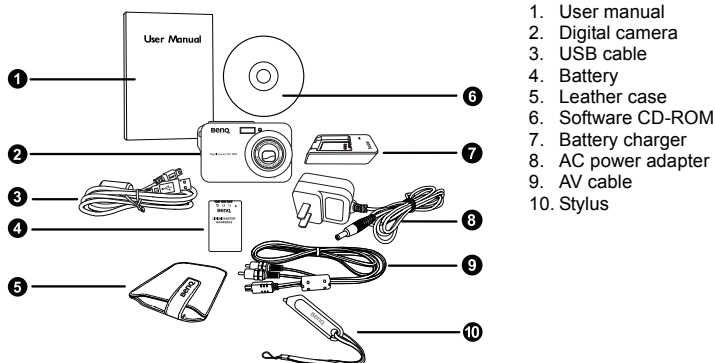
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Touring the camera

Checking the package contents

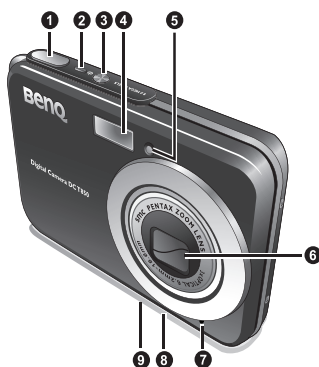
Carefully unpack your kit box and ensure that you have the following items.




- If any items are missing or damaged, contact your dealer.
- It is recommended to save the packaging if you must ship the camera for service in the future.
- Available accessories may vary depending on the sales region.

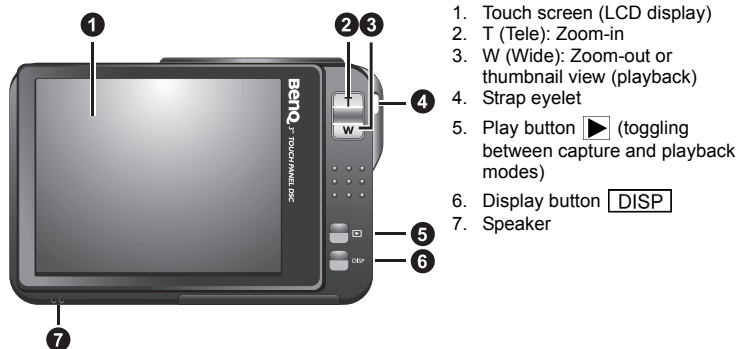
Camera components

Front view



1. Shutter button
2. Status LED indicator
3. Power button 
4. Flash
5. Self-timer LED indicator
6. Lens and lens cover
7. Microphone
8. Tripod mount
9. USB port

Rear view



- It is normal for the camera to become warm during operation, because metal camera casing can conduct heat.
- The LCD display on this camera is manufactured with sophisticated technology, and more than 99.99% of the pixels on the LCD display meet standard specifications. Yet, it is possible that less than 0.01% of the pixels on the LCD display may have some light spots or show unusual colors. This is normal and does not indicate display malfunction, nor will this affect the pictures you take with the camera.

Preparing the camera for use

Use only the specified battery for the camera, and always turn off the camera before inserting or removing the battery.

A

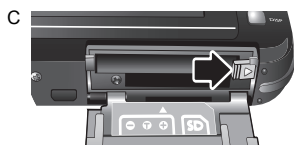


To install the battery:

1. Open the battery/SD card cover (A).
2. Insert the battery in the correct direction (B).
3. Push the battery all the way down, until the battery lock lever clicks into place (C).
4. Close the battery/SD card cover (D).

B





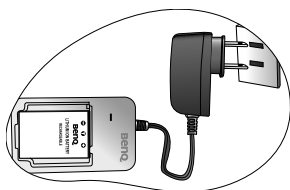
To remove the battery:

1. Open the battery/SD card cover.
2. Release the battery lock lever.
3. When the battery has come out a little, gently pull it out the rest of the way.
4. Close the battery/SD card cover.



Charging the battery

The battery charge status affects the camera performance. To maximize the performance and the battery life, fully charge the battery using the specified charger and AC power adapter, and then fully discharge it through normal use at least once.



To charge the battery:

1. Insert the battery into the charger.
2. Connect one end of the AC power adapter to the charger.
3. Connect the other end of the AC power adapter to a wall outlet.
4. When the battery is being charged, the charger LED indicator lights up in red. When the battery is fully charged, it turns into green.

- Damage caused by the use of an incorrect charger set is not covered under the warranty.
- The battery may be warm after being charged or used. This is normal and not a malfunction.
- When using the camera in a cold environment, keep the camera and its battery warm by holding it inside your jacket or another warm protective environment.

Using touch screen and buttons

You can use the stylus or your finger (may cause fingerprints on the screen though) to select options available from the touch screen. Yet, some operations must work with buttons (such as DISPLAY **[DISP]** and Play **[▶]**). So, this user manual uses “tap”, “circle”, or “swipe” when referring to touch screen actions and “press” when referring to button actions.

Using an SD card

The camera comes with internal memory for storing captured images, video clips, or audio files. You can also add an SD (Secure Digital) card to store more files.






To install an SD card:

1. Make sure the camera is turned off.
2. Open the battery/SD card cover.
3. Insert an SD card in the correct direction.
4. Close the battery/SD card cover.

To remove an SD card:






1. Make sure the camera is turned off.
2. Open the battery/SD card cover.
3. Press lightly the edge of the SD card to eject.
4. Close the battery/SD card cover.

Before initial use of an SD card, tap  >  >  > **Manage Memory** > **Format** to format the card first. Remember to slide the write-protect tab (on the side of the SD card) to the unlock position. Otherwise, all data (if any) on the SD card is protected and the card cannot be formatted.

Setting language

This is to select the language version to show on the screen.







To select a language:

Tap  >  >  > **Language**, and tap a language (tap  /  to find more languages as needed).

Setting date and time





When first time using the camera or the camera battery has been removed for a long time, you need to set the date and time.




To set date and time:

1. Tap  >  >  > **Date Format**, and tap the screen to choose preferred formats.
2. Tap **Date/Time**, and then tap  /  to choose correct date and time.
3. Tap **OK**.
4. Tap  to exit.


Operating the camera



The procedure below is a general guideline for basic operation. It is particularly useful if you are new to the camera.

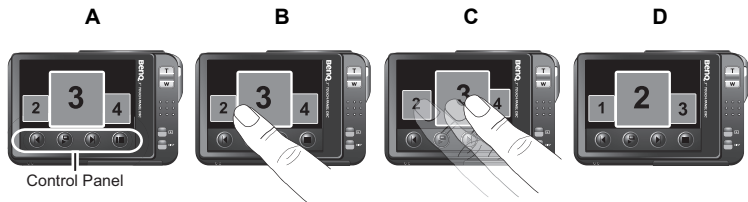
1. Press .
2. Tap  for desired options; tap  for more options.
3. Follow the on-screen display (and instructions wherever available) and tap the corresponding icon to access and set more options. At any time, you can cancel the current operation by tapping  to return to your previous step.
4. Press **T** to zoom-in or **W** to zoom-out.
5. Press the shutter halfway to set automatic focus and exposure.
6. Press the shutter down fully to capture.
7. Release the shutter.
8. In the **Movie Record** mode, press the shutter to stop video recording.






-  • If you press the shutter halfway to set automatic focus, the camera is ready to capture when the auto focus frame is yellow. If there is no auto focus frame or the frame is red and you press the shutter down, it will result in blurred photos.
- During zoom-in/out, there is a separator in the zoom bar between **W** and **T**. For best image quality, it is recommended to use optical zoom only by keeping the magnification within **W** and the separator.
 - Flash is automatically turned off in the Movie Record mode.
 - The Movie Record mode records both sound and video. Yet, sound is not recorded during zoom-in/out.
 - At any time, you can press  to turn off the camera.
 - In the capture or playback mode, press  repeatedly to decide what information to show on the screen.

Viewing captured images and videos

To enter the playback mode, press  to view the image or video just captured.

- To view the previous image/video, swipe and slide the screen (at least 1/3 of the width; see the illustrations below from A to C) to the right, or tap  on the Control Panel.
- To view the next image/video, swipe and slide the screen (at least 1/3 of the width) to the left, or tap  on the Control Panel.
- Press **W** and you can still use the Swipe-to-Slide feature to view captured images and recorded videos in a loop.
- Press **W** again to view 12 thumbnails on the screen.



- You can toggle between the above two playback modes by pressing **T** and **W**.
- To zoom-in/out an image, press **T** or **W**, or you can use the stylus or your fingertip to circle the area you want to zoom in directly on the screen. You can also tap the screen directly to maximize the image, and drag the image to see certain area, or tap  to crop the image.
- If a photo was captured in the portrait orientation and then you saved it into the landscape orientation, the photo will still rotate back into the portrait orientation temporarily when you enlarge it on your camera.
- For a video file, tap  to start playback.
- Tap  to start the slideshow playback.
- Tap  for more options.
- Anytime in the playback mode, you can press  or the shutter to switch to the capture mode.
- For image/audio/video files captured by other devices, your camera may not be able to show the detailed file information (e.g. resolution) or to edit them (e.g. using **My Drawings** or **Add Memo**).



Capture mode
















Item	Description	Page reference
1	Scene mode	10
2	Flash mode	10
3	Focus mode	11
4	Drive mode	12
5	Number of shots available	--
6	Image size	12
7	Image quality	13
8	AF area	15
9	Battery status	--
10	Histogram	--
11	AE metering	14
12	White balance	14
13	EV (exposure value)	16
14	ISO sensitivity.	13
15	More options	--



Scene mode



Select one of the following scene modes to fit your shooting condition.


Icon	Mode	Description
	Sunset	Increases white balance to enhance photos taken at the sunset.
	Museum	Captures photos with flash function disabled.
	Soft Flowing Water	The shutter speed is lowered to keep from blurred images. Use of tripod is recommended.
	Snow	Increases contrast to highlight the texture and layers of snow.
	Landscape	Used when taking pictures of natural scenery, especially the subjects are in a distance.
	Auto	Lets the camera automatically decide most settings, so you can capture images with ease.
	Flower	Captures brightly colored flowers by enhancing their soft outlines.
	Candle Light	Used if you want to capture subjects in candle light.
	L. Portrait	Focuses on the subjects and keeps the background blurred slightly.
	Fireworks	Increases exposure time while to capture fireworks. Use of tripod is recommended.
	Sports	Captures a fast-moving subject.
	Program	You can set the shooting parameters manually.
	Pet	Increases sensitivity to capture pets.
	Party	Captures in-door activities in a dim light.
	Web Auction	Optimizes image file size for use on the Internet.
	Night Portrait	Used when taking photos of a subject against a night scene. Use of tripod is recommended.
	Backlight	Increases exposure (by turning on the flash) if light is coming from the back of a subject.

	Movie Record	Captures videos with sound. When viewing the captured video file later, the  icon shows indicating that this is a video file and can be played by tapping it.
	Smile catch	Automatically takes a shot while an enough degree of smile is detected.
	Text	Increases contract when taking a close-up photo.
	High ISO Portrait	Makes people stand out with the background out-of-focus even in a dark environment. In this mode, a higher ISO value is used.
	Self Portrait	Helps take a picture of yourself (and other subjects if available).
	Night Scene	Used when taking a picture in the evening, night, or a low-light environment.
	S.S.F. (Super Shake-Free)	Reduces blur caused by camera vibration, and thus improves image quality and clearness. ISO value is also automatically adjusted based on the ambient brightness.
	Voice Rec.	Captures background sound only (no images or videos). When listening to the captured audio file later, the  icon shows indicating that this is an audio file.
	Child	Takes a still image to capture moving kids.
	Food	Captures food by enhancing color brightness and giving more vivid colors.
	Building	Enhances the edges of the subject.
	Beach	Used under a very bright light environment such as beaches.
	Portrait	Makes the subject (usually a person) stand out with a brighter look.

To select a scene mode:



1. Tap  and select a scene mode icon.
2. The currently selected scene mode shows. You can tap another icon of your choice.
3. Tap  to confirm and exit.

 If you want to know the description of certain scene quickly, tap  and then the desired scene.

☞ When the  icon shows in a thumbnail or on the screen, this means that the file is in the unknown file format or a corrupted file.

Using Smile Catch:





Smile Catch automatically captures the moment of a smile of your subject.



1. Tap  and select  from the scene mode icons.
2. The camera is tracking the face of your subject (a white frame shows).
3. Press the shutter halfway to set automatic focus. Wait until the auto focus frame turns into yellow, then press the shutter down to activate smile tracking, and then release the shutter immediately. The camera now is tracking the smile of your subject.
4. Once a smile is detected, the camera instantly takes a picture.
5. The camera continues to detect smiles and takes more pictures (Step 4 is repeated). To stop the smile tracking at anytime, press the shutter.

- ☞
- In order to detect the smile easily and obtain better image quality, it is recommended to have your subject facing toward the lens in the Smile Catch mode.
 - The camera will also automatically stop smile tracking if your subject leaves your composition area.
 - Face tracking (one face only) is always on in the Smile Catch mode.
 - It is recommended to turn off the flash in the Smile Catch mode, so the camera can save time in recharging and continue to catch more smiles.



Flash mode


The flash offers an additional light source (usually used in a low-light environment). You can capture an image using one of the following flash modes.



Icon	Mode	Description
	Auto	The flash fires automatically based on the photographic conditions.
	Force off	The flash does not fire. Select this mode when flash photography is prohibited, or when the distance to the subject is beyond the effective range of the flash.
	Force on	The flash always fires regardless of the surrounding lighting conditions. Select this mode when capturing images with high contrast (backlighting) and deep shadows.
	Auto Anti Red-eye	Reduces the red-eye phenomenon when capturing natural-looking images of people and animals in low-light conditions. Be sure to ask the subject to look at the camera lens or get as close to the camera as possible. The flash fires automatically based on the photographic conditions.

	Anti Red-eye	Reduces the red-eye phenomenon when capturing natural-looking images of people and animals in low-light conditions. Be sure to ask the subject to look at the camera lens or get as close to the camera as possible. The flash always fires regardless of the surrounding lighting conditions.
	Slow Sync	Opens the shutter for a longer period and fires the flash just before it closes. Select this mode for illuminating a foreground subject while retaining a darker background. It is useful when capturing a night scene with people in the foreground.





To select a flash mode:

1. Tap  and the icon that represents the current flash mode.
2. Tap another icon of your choice.
3. Tap  to confirm and exit.



 • If you change the flash mode, the camera will retain that setting even if the camera is turned off.

- To change the intensity of the flash, tap  >  > **Flash Intensity**.

Focus mode

Icon	Mode	Description
	Auto	This is the auto focus mode.
	Macro	Used when capturing images at close distance.
	Pan Focus	Used when you want to capture everything (for example, fast-moving objects or subjects in the dark) from near to far in an acceptable focus.
	Infinity	Used when capturing images at long distance. The flash is off in this mode.

To select a focus mode:

1. Tap  and the icon that represents the current focus mode.
2. Tap another icon of your choice.
3. Tap  to confirm and exit.

Drive mode

Icon	Mode	Description
	Standard	Self-timer and Continuous Shooting are disabled.
	10 sec Self-timer	Automatically takes a picture after 10 second delay. This mode is useful when you want to be part of the picture.
	Continuous Shooting	Continuously takes pictures as long as you keep pressing the Shutter. The flash is always off in this mode.
	Interval Shoot	Takes pictures at the time interval you set until it reaches the number of pictures you want, or it will stop when you press and release the shutter again (or until the memory card is full).
	Auto Exposure Bracketing (AEB)	Automatically takes 3 pictures with different EV values for you to choose from later.
	Speedy Burst	Press and release the shutter. When the photo size you selected is 2M or VGA, Speedy Burst will take a continuous shooting at the speed of 12 shots per second. This will stop after 1 second or until the memory card is full.

To select a drive mode:


1. Tap and the icon that represents the current drive mode.
2. Tap another icon of your choice.
3. Tap to confirm and exit.

Resolution (image size)




Icon	Description	Icon	Description
	8 megapixels (3264 x 2448)		3 megapixels (2048 x 1536)
	3:2 (3264 x 2176)		2 megapixels (1600 x 1200)
	16:9 (3264 x 1836)		VGA (640 x 480)
	5 megapixels (2592 x 1944)	--	--

To select an image size:





1. Tap .
2. Tap > , and then the icon that represents the current image size.
3. Tap another icon of your choice.

4. Tap  to confirm and exit.

Quality







Icon	Option	Description
	Fine	Best image quality with the lowest compression rate. File size is the largest.
	Normal	Better image quality with medium compression rate. File size is medium.
	Economy	Good image quality with the highest compression rate. File size is the smallest.

To select an image quality level:





1. Tap .
2. Tap  > , and then the icon that represents the current image quality.
3. Tap another icon of your choice.
4. Tap  to exit.




ISO sensitivity

The higher the ISO value, the more noise you may see in the image.




Icon	Description
	Automatically sets the ISO value.
  	Equivalent to color ISO 100/200/400 film. Used for outdoor photography in bright sunlight.
 	Equivalent to color ISO 800/1600 film. Used it in a low-light environment or where the flash light is not allowed.

To select an ISO value:





1. Tap .
2. Tap  > , and then the icon that represents the current ISO value.
3. Tap another icon of your choice.
4. Tap  to exit.

 You may not be able to select ISO value if you use certain scene modes, e.g.  (High ISO Portrait) and  (S.S.F.).

Metering (Automatic exposure metering)







Icon	Mode	Description
	Matrix	Detects the exposure based on multiple points in the subject area.
	Center Weight	Detects the exposure of the entire shooting screen, but gives more importance to the values near center.
	Spot	Detects the exposure based on the center spot in the subject area.

To select an AE option:





1. Tap .
2. Tap  > , and then the icon that represents the current AE option.
3. Tap another icon of your choice.
4. Tap  to exit.




White balance

White balance compensates for color temperatures in different lighting conditions, so white and other colors can display properly when you capture images.

Icon	Mode	Description
	Auto	Adjusts white balance automatically.
	Daylight	Used in bright daylight conditions.
	Shade	Used in cloudy, twilight, or shady conditions.
	Tungsten Light	Used when subjects lit by tungsten (incandescent) lighting.
	Fluorescent Light	Used when subjects lit by fluorescent lighting.
	Manual	Used when you want to manually adjust white balance in a particular lighting condition.





To select white balance:

1. Tap .
2. Tap  and then .
3. Tap  and then **White Balance**.






- The currently selected icon of white balance shows. Tap another icon of your choice.
- Tap **OK**. (If you select the manual mode, the icon  pops up. You must first tap  and point the adjustment frame shown on the touch screen at a blank sheet of white paper (or something similar), and then tap **OK** to let the camera detect proper colors.)
- Tap  to exit.

Effect





You can add special effects to your images in capture mode.

Icon	Mode	Description
	Normal	No effect is added to the image.
	Vivid	Recorded image will be stored in a bright and lively tone.
	Sepia	Recorded image will be stored in a sepia tone.
	B/W (Black/White)	Convert image to black & white.






To select an effect:

- Tap .
- Tap  and then .
- Tap  and then **Effect**.
- The currently selected icon of auto focus shows. Tap another icon of your choice.
- Tap  to exit.

AF Area


Icon	Mode	Description
	Center	Focuses on the center of the touch screen.
	Wide	Focuses on objects in a wider focusing area.
	Manual	You can manually decide the auto focusing area by dragging the frame within the boundary shown on the touch screen.
	Face Tracking	Focuses on the people in your composition by automatically detecting and tracking human faces.

To select an automatic focus option:

1. Tap .
2. Tap  and then .
3. Tap  and then **AF Area**.
4. The currently selected icon of auto focus option shows. Tap another icon of your choice.
5. Tap  to exit.

Using Face Tracking:






1. Follow the steps above to select **Face Tracking** in **AF Area**.
2. Aim the lens at the subject(s). One or several white frames show on the screen focusing on the subjects, depending on the number of subjects detected by the camera.
3. Press the shutter halfway to set automatic focus.
4. Wait until the frames turn to yellow, and then press the shutter down.

 In order to detect the face(s) easily and obtain better image quality, it is recommended to have your subjects facing toward the lens when you use Face Tracking.

Setting EV





EV (exposure value) lightens or darkens the entire image. Adjust EV when the brightness between the subject and the background is not balanced, or when the subject occupies only a small part of the picture.

To select an EV:





1. Tap .
2. Tap  and then .
3. Tap  and then **EV**.
4. The current EV setting shows. Tap any position of the EV bar or tap +/- of your choice.
5. Tap **OK**.
6. Tap  to exit.

Setting sharpness, saturation, contrast & instant review




You can adjust how colors appear in the pictures by setting sharpness, saturation, and contrast.


1. Tap .
2. Tap  and then .
3. Tap  for **Sharpness, Saturation, and Contrast**.
4. The currently selected icons of these three options show. Select one to tap it, and then tap an icon of your choice. You can select **Low, Normal, or High** for sharpness, saturation, and contrast.

Also, you can decide the time you want the image to display after shooting.


1. Tap .
2. Tap  and then .
3. Tap **Instant Review**.
4. For instant review, you can decide the duration (in seconds) of showing the image right after you just captured it or turn the feature off.
5. Tap  twice to exit.









Other capture options

More options are available for image settings in  >  > .

Icon	Option	Description
	Flash Intensity	Sets the intensity of the flash.
--	Photo Frame	Adds a photo frame to the image.
--	Date Stamp	Adds the date stamp to the image.














Movie Record mode settings


If you select  (Movie Record) as the scene mode, different options are offered in the Quick Bar. You can change the settings but you cannot customize the options shown in the Quick Bar.

Icon	Mode	Description	Page reference
--	Scene mode	Displays a number of scene modes to choose from.	8
	Video format	Displays video file format and size.	--
	Frame rate	Displays frames captured per second.	--
	White balance	Compensates for color temperatures in different lighting conditions.	--
	More options	Displays more options.	--
	Video quality	Sets the degree of video quality.	--
	Stabilizer	Avoids video blur caused by hand shake and/or subject movement.	--
	Effect	Adds special effects.	--
	Close	Hides the Quick Bar.	--


System settings


To change the system settings, tap  >  and then . Tap  /  to find more options.

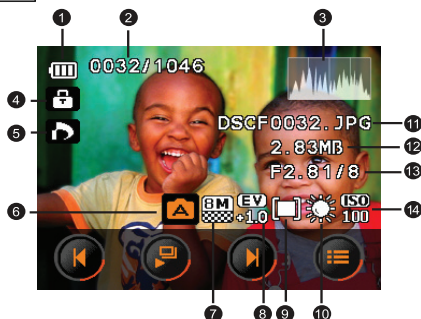
Icon	Mode	Description
	Manage Memory	Formats the internal memory or the SD card.
	Instant Review	Sets the display time of each photo just captured.
	Digital Zoom	Choose the stored settings for the camera to remember (useful when you turn it on next time).  Wise Zoom reduces the image size, and thus increases the effective zoom length without sacrificing image quality.
	System Sound	Sets to turn on/off the sound for operation.
	Volume	Sets the volume for playback.
	LCD Brightness	Sets the brightness of the touch screen.
	Power Saving	Sets the idle time before the camera enters the power-saving mode.
	Power off	Sets the idle time before the camera automatically turns off.
--	Date/Time	Adjusts date and time.
	Date Format	Adjusts displayed time format.
	TV Format	Sets the video format (such as NTSC or PAL) when connecting to an AV system like TV.
--	Hot Key	Sets the options shown in the Quick Bar.
--	Startup Image	Choose the startup image when the camera is turned on.
	Reset	Returns all settings to the factory default values
	Language	Sets the displayed language on the touch screen.
--	Version	Displays the model name and the firmware version.





 If you set both **Power Saving** and **Power Off** on, the camera will prioritize Power Saving even if the time you set for Power Off is shorter than that for Power Saving.

Playback mode

Press  to enter the playback mode.


You can press  to decide what information to show on the screen.












- When the camera is off, pressing  while holding  will enter the playback mode.
- In the capture mode, press  to enter the playback mode.
- In the playback mode, press  or the Shutter to switch to the capture mode.



Item	Description
1	Battery status
2	File number
3	Histogram
4	Protected file
5	DPOF
6	Scene mode
7	Image size and quality
8	EV
9	AE Metering
10	White balance
11	File name
12	File size
13	Shutter speed and F. No.
14	ISO sensitivity

Options for playback and editing

By default, ten options show when you tap  on the screen.

Icon	Mode	Description	Page reference
	My Drawings	Adds your own drawing to a captured image.	21
	Rotation	Rotates images by certain degrees.	22
	Z-Lighting	Adjusts lighting (mainly enhances the brightness and contrast in the darker areas of a picture) to improve overall exposure quality.	22
	Protect	Protects the selected image from deletion.	23
	More options	Accesses other settings.	--
	Add Memo	Adds callouts to a captured image.	21
	Photo frame	Adds a photo frame to a captured image.	23
	DPOF	Enters the Digital Print Order Format (DPOF) data to selected images or all images. So, a DPOF-compatible printer can read this data while printing.	23
	Delete	Deletes captured files.	23

To select a playback/edit option:










1. Press  and select an image. Then tap .
2. The available icons of playback/edit options show. Tap the one you need. Options available may vary depending on the image size.
3. Follow the remaining on-screen instructions.
























Using My Drawings and Add Memo

Add preset or customized drawings (including handwriting), stamps, and callouts to an image.

- Drawings/stamps/callouts (described as “scribbles” below) cannot be added an audio/video file, or to an image of 16:9, 3:2, or lower than 3M.
- After scribbles are added to an image and saved, this image will be automatically resized to a 3M image.

1. Tap  and select an image.
2. Tap  >  (My Drawings) or  (Add Memo). The toolbar is automatically displayed. Select a tool, and customize its type and color. (For details on the icons of the tools, see below.)
3. Tap . You are ready to add your drawings or texts to the image.
4. To change tools/types/colors, you need to tap  again to access the toolbar.
5. To undo your last move, tap  [UNDO]; to erase all drawings on the selected image (before you save the settings), tap  [RESET].
6. To save the modified image, tap [SAVE]. Or you can tap  > [YES] to discard the modified image and exit.




Icon	Tool	Description
	Line	<p>Creates lines such as handwriting.</p> <p>To create lines:</p> <ol style="list-style-type: none"> 1. Tap , and then tap  for a type and  for a color. 2. Tap . 3. Start tapping on the touch screen, and then drag your finger or stylus to create lines.
	Stamp (for My Drawings only)	<p>Selects a preset stamp.</p> <p>To select a preset stamp:</p> <ol style="list-style-type: none"> 1. Tap , and then tap  for a preset stamp and  for a color. 2. Tap . 3. On the touch screen, tap the location where you want to add a stamp. You can add as many stamps as you want, or repeat step 1 to add other types of stamps.

	Frame (for Add Memo only)	<p>Selects a preset frame for a callout.</p> <p>To select a preset stamp:</p> <ol style="list-style-type: none"> 1. Tap , and then tap  for a preset frame and  for a color. 2. Tap DISP. 3. On the touch screen, tap the location where you want to add a frame. You can add as many frames as you want, or repeat step 1 to add other types of frames.
	Eraser	<p>Removes part or all of the scribbles.</p> <p>To use the eraser:</p> <ol style="list-style-type: none"> 1. Tap , and then tap  to select an eraser type (from thin to thick). 2. Tap DISP. 3. On the touch screen, tap the location where you want to remove the scribbles, and then drag your finger or stylus to start removing.
	Undo / Redo	Used to undo or redo your last move.
	Reset	Removes all scribbles.
	Save	<p>Saves the modified file.</p> <p>Tap Save As to save as a new file; tap No to exit; tap Overwrite to replace the current file.</p>
	Discard	Discards the modified file.




Rotating an image

Changes the orientation of an image.

To rotate an image:

1. Tap  and select an image.
1. Tap  > , and then tap a thumbnail in the orientation you want. The newly rotated image overwrites the original one and shows on the screen.





Adding Z-Lighting effect

1. Tap  and select an image.
2. Tap  > . Tap the lighting bar. The Z-Lighting effect (mainly enhancing the brightness and contrast in the darker area of a picture) improves overall exposure quality.
3. Tap **OK** to save the setting and exit.

Protect

Prevents selected files from accidental removal.






To protect files:

1. Tap  and select an image.
2. Tap  > .
3. Select whether to protect this selected file or all files.
4. Select **Yes** to enable protection. To select multiple files, tap **Select** and tap more files. Each protected file has the icon  when viewed. Then select **OK** and **Yes**.
5. To disable protection, follow preceding step 1 to 3, and tap **Yes** to unprotect the file.

Adding a photo frame

Adds a preset decorative frame to an image.

To add a photo frame:




1. Tap  and select an image.
1. Tap  > , and then tap /  to select a photo frame of your choice.
2. Tap **OK** and then choose to overwrite or save the image as a new file.

- A photo frame cannot be added to an audio/video file.
- After a photo frame is added to an image in the size of 4M or above, this image will be automatically resized to a 3M image.

DPOF




Enters the Digital Print Order Format (DPOF) data to selected images or all images. So, a DPOF-compatible printer can read this data while printing.

To enter DPOF data:

1. Tap  and select an image.
2. Tap  > .
3. Select the current image or all images to add DPOF. To select multiple files, tap **Select** and tap more files. Then tap **OK**.
4. Select whether to print date and number of copies to print.
5. Tap **OK**.

Deleting files





Removes selected or all files.

1. Tap  and select an image.
2. Tap  > .
3. Select **Yes** to delete the selected file; select **All** to delete all files. To select multiple files, tap **Select** and tap more files. Then tap **OK**.

Resize

Changes an image to a smaller size.








To resize an image:

1. Tap  and select an image.
2. Tap  >  >  > **Resize**.
3. Select the new image size and the quality level.
4. Tap **Overwrite** to replace the current image file, or **Save as** to save to another file.

Voice memo

Inserts a voice annotation to an image file.

To add a voice memo:

1. Tap  and select an image.
2. Tap  >  >  > **Voice memo**.
3. Tap  to start recording your voice. Tap  again to stop. When viewing the image later, you can see the icon  indicating that a voice memo is attached.

Bundled software

The camera offers the following programs on a CD.

ArcSoft PhotoImpression 5	Combines photo editing with creative enhancement and sharing tools that maximize your digital media experience.
ArcSoft VideoImpression 2	Creates multimedia presentations by combining photos and video clips with audio, text and scene transitions.

To install these programs, see the information supplied with the CD.

Connecting the camera to a computer

You can connect the camera to a PC or notebook to transfer, view, print, or edit files.

To connect the camera to a computer:

1. Connect the end of the smaller plug of the USB cable to the camera.
2. Connect the other end of the USB cable to an available USB port on your computer.
3. Tap **Mass Storage** on the screen of your camera.
4. A **Removable Disk** icon appears in **My Computer**. Click this icon to access the files in your camera.



- When connecting the camera to a computer, it is necessary to install a battery into the camera.
- When connecting the camera to a computer, please use the original accessory of the USB cable to avoid possible system conflicts and damage to the camera.

Connecting the camera to an AV system

You can play files in your camera from an AV system such as TV or projector.

To connect the camera to an AV system:

1. Connect the end of the smaller plug of the AV cable to the camera.
2. Connect the yellow video plug and the white audio plug of the AV cable to a video-input jack and an audio-input jack (left channel) on your AV system.
3. Turn on the AV system, and then switch to the AV source connecting to the camera.
4. Turn on the camera.
5. Follow the on-screen instructions to operate the camera via the TV or projector screen.

Printing images

In addition to printing images by connecting the camera to a printer via a computer or bringing the SD card (if available) to a photo-processing center, you can choose to print using PictBridge or DPOF.

Printing with Printer mode

You can directly print images by connecting your camera to a PictBridge-compatible printer without using a computer.

To print images from a PictBridge-compatible printer:

1. Turn off the camera.
2. Connect the end of the smaller plug of the USB cable to the camera.
3. Connect the other end of the USB cable to an available USB port on your printer.
4. Turn on the printer. Wait for a while until the printer is ready to print.
5. Turn on the camera.
6. Follow the remaining on-screen instructions in your camera and/or printer to complete printing.



The above procedure may vary depending on the printer type you are using.

Printing with DPOF

See "DPOF" on page 23.

Troubleshooting and service information

If your camera cannot operate normally, see the frequently encountered problems and solutions listed below. If the problem persists, contact your nearest service center or technical support.

Problem	Cause	Solution
I cannot play back video clips by using Windows Media Player.	The MPEG-4 video compression method is in the XviD format. If the XviD codec is not installed, it might not be able to play back the video clips on your computer.	Make sure you are using Windows Media Player 9.0 or above. Be sure to install the free MPEG-4 codec driver in advance, available from bundle software or XviD web site: http://www.xvidmovies.com .
The camera cannot power up.	There is no battery or the battery is not inserted correctly.	Insert the battery correctly.
	The battery has no power.	Recharge the battery.
The battery power is draining quickly.	The external temperature is extremely low.	--
	Many shots are being captured in dark places, requiring a flash.	--
	The battery was not fully charged, or it has not been used for an extended period of time after being charged.	Fully charge the battery and discharge it for at least one complete cycle before use.
The battery or camera is warm.	The camera or flash was used continuously over a long period of time.	--
The flash does not fire or recharge.	The camera flash is turned off.	Set the flash to Auto Flash.
	The light source is sufficient.	--
Even though the flash fired, the image is dark.	The distance to the subject is greater than the flash's effective range.	Get closer to the subject and shoot.
The image is too bright or too dark.	The exposure is excessive or inadequate.	Reset exposure compensation.
I cannot format a memory card.	The memory card is write-protected.	Remove the write protection.
	End of the memory card life.	Insert a new memory card.

I cannot download images from the camera to my computer.	The free space on the hard disk of your computer is insufficient.	Ensure that the hard disk has enough space for running Windows and that the drive for loading image files has free space equal to or greater than the memory card in the camera.
	There is no power being supplied to the camera.	Recharge the battery.
The camera does not shoot even when pressing the shutter button.	The battery is running low.	Recharge the battery.
	The camera is not in the capture mode.	Switch to the capture mode.
	The shutter button was not pressed all the way down.	Press the shutter button all the way down.
	The internal memory or memory card does not have any free space.	Load a new card or delete unwanted files.
	The flash is recharging.	Wait until the flash mode icon, indicated on the screen, stops flashing.
	The camera does not recognize the memory card.	Format the memory card before the initial use or before using with another camera.
I cannot print images with PictBridge-compliant printers.	The camera is connected to the printer when the camera is powered off.	Turn on the camera, select PictBridge, and then connect to the printer.
Why sometimes I cannot completely use up the remaining number of pictures that can be taken on my memory card?	The remaining number of pictures shown on the screen is an estimated value, which may be different from the actual one depending on the compression ratios (may vary by scenes) when converting from RAW to JPG.	--
Why may some pictures look unclear or be read improperly during playback?	These pictures are taken by another camera.	Enlarging these pictures could solve the problem.

Technical support

For technical assistance, free driver updates, product information, and news releases, visit the following web site:

<http://www.BenQ.com>

Specifications

Image sensor	8.2-megapixel CCD; size: 1/2.5-inch
LCD display	3-inch TFT LCD; 230K dots
Zoom	Optical: 3X Digital: 5X (preview) / 12 (playback) Wise Zoom: 30X (Optical Zoom + Digital Zoom) when the image size is VGA (640 x 480); A different image size comes with a different maximum wise zoom ratio.
Lens	F2.7 ~ F4.3 Wide: 6.2 mm (135 camera: 37.5 mm) Tele: 18.6 mm (135 camera: 112.5 mm)
Focus	TTL Auto Focus
Focus range	Normal: 40 cm ~ Infinity Macro: 15 cm ~ 50 cm
Shutter speed	1/2000 ~ 1 sec (Night Scene mode: 8 sec)
Scene mode	Sunset, Museum, Soft Flowing Water, Snow, Landscape, Auto, Flower, Candle Light, Landscape Portrait, Fireworks, Sports, Program, Pet, Party, Web Auction, Night Portrait, Backlight, Movie Record, Smile, Text, High ISO Portrait, Self Portrait, Night Scene, S.S.F. (Super Shake-Free), Voice Rec., Child, Food, Building, Beach, Portrait
Flash	Auto, Force Off, Force On, Auto Anti Red-eye, Anti Red-eye, and Slow Sync
Self-timer	10 sec delay
Exposure compensation	-2 to +2 EV in 1/3 EV steps
ISO	Auto, 100, 200, 400, 800, and 1600
White balance	Auto, Daylight, Cloudy, Tungsten Light, Fluorescent Light, and Manual
File format	<ul style="list-style-type: none"> Still Image: JPEG (Exif 2.2 compatible) and DCF compatible - 8M (3264 x 2448), 3:2 (3264 x 2176), 16:9 (3264 x 1836), 5M (2592 x 1944), 3M (2048 x 1536), 2M (1600 x 1200), VGA (640 x 480) Video: MPEG-4 AVI - 640 x 480, 320 x 240, 16:9, 30/15 fps; continuous recording with sound Audio: WAV
Storage	Built-in 5 MB (usable) 8GB SD card compatible 16GB SDHC supported
Playback options	Single image, thumbnails, slideshow, and audio/video playback

Interface	Digital output: USB 2.0 Audio/Video output (NTSC/PAL) PictBridge compatible / DPOF
Power source	Rechargeable Lithium-ion battery
Working temperature	0 - 40 degrees Celsius
Dimensions (W x H x D)	91 x 59 x 16.9 mm (slimmest 14.9 mm)
Weight	120 g (without battery & SD card)
System requirements	<ul style="list-style-type: none">• Pentium III 600 Mhz or higher compatible CPU• 64 MB RAM• Optical disc drive• Windows Vista/XP/2000/Me• 128 MB free hard disk space• Available USB port